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UNITED STATES DEPARTMENT OF AGRICULTURE  
RURAL ELECTRIFICATION ADMINISTRATION  
INDUSTRIAL POWER SECTION, DESIGN & CONSTRUCTION DIVISION  
ST. LOUIS, MISSOURI

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GENERAL SUMMARY  
OF  
INDUSTRIAL POWER APPLICATIONS  
FOR FISCAL YEAR ENDING AS OF JULY 1, 1945

APPROVED:

J.K.O'Shaughnessy

ACTING CHIEF, DESIGN & CONSTRUCTION DIVISION



INDUSTRIAL AND COMMERCIAL APPLICATIONS

CLEARED BY THE INDUSTRIAL POWER SECTION

ON REA LINES

TABULATED BY TYPES OF INDUSTRY

FOR FISCAL YEAR

ENDING AS OF JULY 1, 1945

CLASSIFICATION BY TYPE OF USER	TOTAL NUMBER OF APPLICATIONS	PERCENTAGE OF TOTAL APPLICATIONS	TOTAL CONNECTED LOAD IN KW	PERCENTAGE OF TOTAL CONNECTED LOAD
I. AGRICULTURE	49	17.8%	1,788	9.0%
II. GOVERNMENT AND PUBLIC UTILITIES	40	14.5%	4,872	24.5%
III. MANUFACTURING AND PROCESSING	183	66.3%	12,568	63.2%
IV. COMMERCIAL AND RECREATIONAL ENTERPRISES	4	1.4%	655	3.3%
TOTALS	276	100.0%	19,883	100.0%

A GENERAL SUMMARY OF APPLICATIONS

CLEARED THRU THE INDUSTRIAL POWER SECTION

FISCAL YEAR ENDING AS OF JULY 1, 1945

CLASSIFICATION BY TYPE OF USER	NUMBER OF APPLICATIONS	PROPOSED CONNECTED LOAD	
		TOTAL KW	AVERAGE KW
I. AGRICULTURE	49	1,788	36.5
II. GOVERNMENT AND PUBLIC UTILITIES			
A. Federal Government	20	3,232	161.6
B. State and Local Governments and Services	12	1,128	94.0
C. Public Utilities	8	512	64.0
III. MANUFACTURING AND PROCESSING			
A. Chemicals	1	300	300.0
B. Forest Products	37	3,360	90.8
C. Mineral Products	32	3,004	93.9
D. Processing and Preservation of Agricultural Products	72	2,915	40.5
E. Stone, Clay and Glass Industries	17	1,891	111.2
F. Textile Industries	8	555	69.4
G. Other Manufacturing Industries	14	514	36.7
H. Construction Industries	2	29	14.5
IV. COMMERCIAL AND RECREATIONAL ENTERPRISES			
A. Private Industry	4	655	163.8
	<u>Totals</u>	<u>276</u>	<u>19,883</u>
			<u>72.0</u>

INDUSTRIAL LOAD APPLICATIONS

TABULATED ACCORDING TO INDUSTRIAL CLASSIFICATION

(FOR FISCAL YEAR ENDING AS OF JULY 1, 1945)

I. AGRICULTURE

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Irrigation	Washington 8 Benton	15
Irrigation	Washington 8 Benton	18
Irrigation	Washington 8 Benton	10
Irrigation	Michigan 33 Charlevoix	45
Irrigation	Colorado 29 Phillips	20
Irrigation	Colorado 29 Phillips	15
Irrigation	Arkansas 11 Jackson	50
Farm Irrigation	New Jersey 4 Monmouth	8
Rice Irrigation	Arkansas 9 Craighead	30
Rice Irrigation	Arkansas 9 Craighead	30
Rice Irrigation	Arkansas 9 Craighead	30
Rice Irrigation	Arkansas 9 Craighead	60
Rice Irrigation	Arkansas 11 Jackson	26
Rice Irrigation	Arkansas 11 Jackson	19
Rice Irrigation	Arkansas 30 Arkansas	24
Rice Irrigation	Arkansas 30 Arkansas	30
Rice Irrigation	Arkansas 30 Arkansas	32
Rice Irrigation	Arkansas 30 Arkansas	12
Rice Irrigation	Arkansas 30 Arkansas	85
Rice Irrigation	Arkansas 11 Jackson	30
Hatchery	Minnesota 59 Olmsted	15
Wild Turkey Hatchery	Pennsylvania 12 Sullivan	37
Hatchery and Feed Mill	Indiana 1 Greene	40
Grain and Sheep Ranch	Oregon 14 Umatilla	45
Truck Farm	Wisconsin 55 Adams	38
Large Ranch	Montana 10 Madison	30
Hog Farm	Iowa 30 Franklin	40
Seed Farm	Minnesota 59 Olmsted	85
Large Farm	Florida 35 Glades	19
Experiment Station	Florida 35 Glades	57
Chicken Brooders	Missouri 40 Pettis	50
Abattoir and Cooler	Montana 10 Madison	11

I. AGRICULTURE (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Slaughter House	Missouri 35 Adair	20
Rendering Plant	Ohio 75 Williams	85
Stock Feeding	Idaho 19 Butte	11
Feather Processing	Virginia 11 Rockingham	50
Water Pumping	Texas 61 Coleman	30
Pumping Station	Pennsylvania 13 Tioga	8
Pumping Station	Oregon 14 Umatilla	15
Drainage Pumps	Florida 35 Glades	140
Drainage Pumps	Florida 35 Glades	140
Sugar Plantation	Florida 35 Glades	26
Sugar Plantation	Florida 35 Glades	26
Sugar Plantation	Florida 35 Glades	26
Sugar Plantation	Florida 35 Glades	26
Sugar Plantation	Florida 35 Glades	26
Dairy	Ohio 39 Paulding	40
Dairy	Virginia 41 Prince William	40
Dairy	Missouri 42 Caldwell	23
	Total	1,788

II. GOVERNMENT AND PUBLIC UTILITIES

A. Federal Government

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Radio Beam Station	California 6 Modoc	20
Radar (U. S. Coast Guard)	Oregon 21 Coos	15
Radio Marker Beacon	South Carolina 23 Dorchester	5
Rifle Range (U. S. Army)	South Carolina 25 Berkeley	25
Gunnery Range (U. S. Army)	Nebraska 76 Southern Nebraska D.P.	50
Gunnery Range	North Carolina 55 Craven	30
Shell Loading Plant (U. S. Navy)	Indiana 1 Greene	2,000
Gun Turrets (U. S. Army)	New Mexico 9 Curry	120

## II. GOVERNMENT AND PUBLIC UTILITIES

### A. Federal Government (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Prisoner of War Camp	Texas 64 San Augustine	20
Prisoner of War Camp	Texas 64 San Augustine	20
Prisoner of War Camp	Texas 64 San Augustine	20
Prisoner of War Camp	South Carolina 25 Berkeley	21
Prisoner of War Camp	South Carolina 25 Berkeley	21
Camp Will Rogers	Oklahoma 10 Cleveland	15
Camp Barrett (U.S.M.C.)	Virginia 41 Prince William	60
Airport (U. S. Navy)	Maryland 4 St. Marys	100
Airfield (U. S. Army)	Mississippi 28 Hancock	60
Landing Field (U. S. Army)	Mississippi 28 Hancock	60
Airport (CAA)	Wisconsin 38 Rock	170
Airfield (U. S. Navy)	North Carolina 43 Jones	400
	Total	3,232

### B. State and Local Governments and Services

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Municipal Pumping Station	Illinois 37 Saline	20
Municipal Water Pumps	Georgia 74 Jefferson	38
Town of Larchwood	Iowa 50 Lyon	30
Town of Hartville	Missouri 43 Laclede	70
Town of Welch	Minnesota 65 Dakota	65
Town of Utica	Mississippi 38 Warren	15
Town of De Witt	Nebraska 77 Norris	100
City of Rochester	Minnesota 59 Olmsted	30
City of Newton	Texas 125 Jasper	200
City of Cassville	Missouri 48 Newton	75
City of Stilwell	Arkansas 24 Washington	60
City of Wynnewood	Oklahoma 16 Pontotoc	425
	Total	1,128

### C. Public Utilities

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Power Interchange	Wyoming 14 Laramie	225
Utility Company	Wisconsin 55 Adams	110
Utility Company	Texas 84 Hall	32

## II. GOVERNMENT AND PUBLIC UTILITIES

### C. Public Utilities (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Water and Coaling Station (NPRR Co.)	Idaho 4 Bonner	35
Water and Coaling Station (J.P.R.R.)	Washington 20 Columbia	32
Water and Coaling Station	Ohio 30 Marion	45
Water and Coaling Station	Ohio 30 Marion	18
Pumping Station (NPRR)	Idaho 4 Bonner	15
	Total	512

## III. MANUFACTURING AND PROCESSING

### A. Chemicals

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Carbon Black	Louisiana 8 Terrebonne	300
	Total	300

### B. Forest Products

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Sawmill	Washington 17 Klickitat D.P.	145
Sawmill	Ohio 87 Wood	14
Sawmill	Michigan 33 Charlevoix	75
Sawmill	Oregon 26 Wasco	25
Sawmill	Maine 13 Hancock	35
Sawmill	Alabama 9 Clarke-Washington	90
Sawmill	Illinois 34 Jackson	80
Sawmill	North Carolina 34 Anson	41
Sawmill	Illinois 36 Jasper	23
Sawmill	Idaho 19 Butte	60
Sawmill	Mississippi 40 Smith	150
Sawmill	Ohio 87 Wood	50
Sawmill	Texas 103 Polk	75
Sawmill	Maine 13 Hancock	40
Sawmill	Mississippi 38 Warren	160
Sawmill	Indiana 60 Morgan	11
Lumber Mill	Oregon 16 Malheur	253
Lumber Mill	Pennsylvania 12 Sullivan	35
Lumber Mill	Washington 17 Klickitat D.P.	130

### III. MANUFACTURING AND PROCESSING

#### B. Forest Products (Continued)

TYPE OF INDUSTRY	SYSTEM DESIGNATION	CONNECTED LOAD IN KILOWATTS
Lumber Mill	North Carolina 56 Pamlico	135
Lumber Mill	North Carolina 48 Mecklenburg	125
Lumber Mill	Minnesota 56 Crow Wing	25
Pulpwood Mill	Florida 14 Clay	130
Cotton Gin and Lumber Mill	Georgia 69 Washington	45
Tannery and Lumber Plant	North Carolina 10 Haywood	450
Millwork	Mississippi 38 Warren	55
Woodworking Shop	North Carolina 36 Randolph	20
Wood Working	Missouri 31 Mississippi	30
Cabinet Shop	Washington 32 Okanogan	13
Veneer Plant	Vermont 7 Orleans	250
Handle Factory	Missouri 48 Newton	40
Handle Factory	Arkansas 21 Lincoln	45
Shingle Mill	Washington 32 Okanogan	15
Shingle Mill	Idaho 4 Bonner	75
Planing Mill	Georgia 66 Taylor	115
Planing Mill	Colorado 32 La Plata	75
Planing Mill	Florida 29 Gadsden	225
	Total	3,360

#### C. Mineral Products

TYPE OF INDUSTRY	SYSTEM DESIGNATION	CONNECTED LOAD IN KILOWATTS
Oil Well Pumps	Indiana 40 Knox	12
Oil Well Pumps	Kansas 34 Barton	225
Oil Well Pumps	Illinois 45 Clinton	65
Oil Well Pumps	Illinois 45 Clinton	38
Oil Well Pumps	Nebraska 44 Cass	17
Oil Well Pumps	Illinois 48 Clay	108
Oil Well Pumps	Kansas 28 Norton	100
Oil Well Pumps	Illinois 48 Clay	42
Oil Well Pumps	Illinois 48 Clay	10
Oil Well Pumps	Illinois 48 Clay	41
Oil Well Pumps	Illinois 41 Jefferson	112
Oil Well Pumps	Illinois 41 Jefferson	185

### III. MANUFACTURING AND PROCESSING

#### C. Mineral Products (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Coal Mine	Indiana 81 Sullivan	135
Coal Mine	Indiana 83 Dubois	25
Coal Mine	Indiana 81 Sullivan	165
Coal Mine	West Virginia 10 Harrison	25
Coal Mine	Illinois 37 Saline	18
Fluorite Mine	Washington 39 Nespelem	40
Cathodic Protection	Texas 125 Jasper	18
Oil Well	Pennsylvania 19 Warren	75
Oil Well	Illinois 41 Jefferson	15
Oil Pumps	Texas 68 Cooke	15
Oil Pumps	Mississippi 21 Coahoma	35
Oil Pipe Line Pumps	Kansas 34 Barton	100
Oil Pumping Station	Oklahoma 28 Pawnee	400
Limestone Quarry	Iowa 39 Benton	150
Limestone Quarry	Mississippi 38 Warren	185
Limestone Quarry	Missouri 23 Lewis	320
Limestone Quarry	Iowa 38 Pocahontas	35
Commercial Limestone	Missouri 50 Lafayette	18
Lime Rock Plant	Minnesota 61 Freeborn	115
Lime Rock Crushing	Florida 16 Sumter	160
	Total	3,004

#### D. Processing and Preservation of Agricultural Products

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Hammer Mill	North Carolina 50 Wayne	55
Hammer Mill	Iowa 77 Davis	40
Hammer Mill	North Carolina 34 Anson	12
Hammer Mill	Iowa 31 Grundy	10
Hammer Mill	Texas 94 Gonzales	10
Hammer Mill	Colorado 29 Phillips	45
Hammer Mill	Illinois 43 Pulaski	12
Hammer Mill	Colorado 29 Phillips	21
Hammer Mill	Nebraska 44 Cass	28
Elevator	North Dakota 13 Foster	12
Elevator	North Dakota 13 Foster	15
Elevator	North Dakota 21 Sargent	12

### III. MANUFACTURING AND PROCESSING

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>KILOWATTS</u>
Grain Elevator	Washington 36 Adams	11
Grain Elevator	Oklahoma 12 Alfalfa	25
Grain Elevator	Nebraska 4 Polk District Public	45
Grain Elevator	Colorado 33 Dolores	12
Grain Elevator	Ohio 39 Paulding	10
Grain Elevator	Minnesota 87 Marshall	60
Grain Elevator	Washington 18 Spokane	40
Grain Elevator	Ohio 56 Lorain	40
Feed Mill	Colorado 15 Morgan	23
Feed Mill	North Dakota 13 Foster	18
Feed Mill	Wisconsin 37 Trempealeau	40
Feed Mill	Georgia 39 Hart	15
Feed Mill	Wisconsin 37 Trempealeau	40
Feed Mill	Nebraska 44 Cass	50
Feed Mill	Indiana 29 Spencer	27
Feed Mill	Wisconsin 29 Clark	42
Feed Mill	Wisconsin 47 Jackson	35
Feed Mill	Virginia 11 Rockingham	45
Feed Mill	Wisconsin 29 Clark	55
Feed Mill	Wisconsin 29 Clark	55
Grain Mill	North Carolina 39 Union	56
Grain Mill	Wisconsin 49 Dunn	75
Flour and Corn Mill	Virginia 27 Nottoway	30
Corn Mill	Georgia 35 Walton	16
Flour Mill	Washington 37 Lincoln	15
Flour Mill	Virginia 35 Madison	85
Flour Mill	Washington 37 Lincoln	15
Cheese Factory	Wisconsin 29 Clark	35
Creamery	Minnesota 65 Dakota	25
Creamery	Wisconsin 37 Trempealeau	27
Creamery	Wisconsin 54 Polk-Burnett	25
Creamery	Minnesota 18 Douglas	40
Locker Plant	South Carolina 19 Laurens	16
Locker Plant	Virginia 30 Bath	15
Locker Plant	South Carolina 22 Fairfield	35
Locker Plant	Texas 40 Bowie	12
Locker Plant	Indiana 1 Greene	35
Locker Plant	South Carolina 27 Marlboro	17
Locker Plant	Louisiana 17 Claiborne	10
Locker Plant	Texas 54 Wood	7

### III. MANUFACTURING AND PROCESSING

#### D. Processing and Preservation of Agricultural Products (Continued) CONNECTED LOAD IN

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>KILOWATTS</u>
Locker Plant	Texas 54 Wood	7
Locker Plant	Texas 54 Wood	16
Milk Refrigeration	Arkansas 18 Carroll	90
Poultry Freezing	Missouri 43 Laclede	12
Cold Storage Plant	Virginia 27 Nottoway	35
Cold Storage Plant	Virginia 11 Rockingham	250
Packing Company	Pennsylvania 20 Blair	25
Milk Receiving Plant	New York 20 Delaware	80
Packing Shed	Florida 35 Glades	28
Popcorn Processing	Indiana 41 Lagrange	20
Corn Processor	Ohio 33 Auglaize	20
Vegetable Processing	Idaho 19 Butte	35
Bean and Grain Processing	Colorado 23 Dolores	10
Seed Corn Processing	Iowa 23 Crawford	15
Seed Corn Processing	Minnesota 3 Meeker	36
Alfalfa Plant	Oklahoma 12 Alfalfa	125
Dehydrating Plant	Nebraska 78 Dawson	240
Alfalfa Mill	Oklahoma 28 Pawnee	130
Alfalfa Processing	Texas 94 Gonzales	160
Alfalfa Dehydrating	Oklahoma 2 Kay	30
	Total	2,915

#### E. Stone, Clay and Glass Industries

CONNECTED LOAD  
IN  
KILOWATTS

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>KILOWATTS</u>
Gravel Pit	Wyoming 21 Carbon	195
Gravel Pit	Ohio 56 Lorain	60
Gravel Pit	Iowa 38 Pocahontas	20
Gravel Pit	Texas 58 Fayette	195
Gravel Pit	Illinois 39 Fulton	255
Gravel Pit	Texas 96 Victoria	100
Stone Quarry	Ohio 39 Paulding	250
Stone Quarry	Indiana 27 Decatur	150
Marble Quarry	Virginia 34 Lee	48
Marble Hoist	Virginia 34 Lee	12
Quarry	Ohio 29 Pike	88
Rock Quarry	Pennsylvania 24 Bedford	75
Rock Quarry	Missouri 41 Platte	40
Rock Quarry	Kentucky 52 Fleming	142

### III. MANUFACTURING AND PROCESSING

#### E. Stone, Clay and Glass Industries (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Sand and Gravel Pit	Florida 15 Lafayette	11
Sand and Gravel Pit	Nebraska 79 Redwillow D.P.	150
Grindstone Finishing Mill	Ohio 93 Washington	<u>100</u>
	Total	1,891

#### F. Textile Industries

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Cotton Gin	North Carolina 51 Hoke	85
Cotton Gin	Alabama 28 Chambers	56
Cotton Gin	South Carolina 27 Marlboro	75
Cotton Gin	South Carolina 27 Marlboro	38
Cotton Gin	Arkansas 11 Jackson	65
Cotton Gin	North Carolina 39 Union	56
Cotton Gin	Texas 104 Mitchell	105
Cotton Gin	Georgia 58 Butts	<u>75</u>
	Total	555

#### G. Other Manufacturing Industries

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Floodlighting	Mississippi 30 Shelby	37
Wine Processing	Michigan 45 Cass	40
Arc Welder	Montana 2 Cascade	10
Welding	Illinois 2 Wayne	20
Garage	Wyoming 11 Lincoln	16
Garage	Montana 10 Madison	11
Concrete Products	Minnesota 14 Norman	60
Powder Plant	Indiana 72 Clark	125
Sand Pumps	Florida 15 Lafayette	60
Sea Food Processing	Louisiana 8 Terrebonne	25
Machine Shop	Illinois 41 Jefferson	25
Machine Shop	Illinois 2 Wayne	15
Machine Shop	Iowa 23 Crawford	40
Machine Shop	Wisconsin 29 Clark	<u>30</u>
	Total	514

### III. MANUFACTURING AND PROCESSING

#### H. Construction Industries

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Airport Contractors	Illinois 30 Adams	18
Contractor's Shop	Alabama 23 Pike	11
	Total	29

### IV. COMMERCIAL AND RECREATIONAL ENTERPRISES

#### A. Private Industry

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Hotel	Mississippi 39 Jackson	30
Lodge	Arizona 16 Mohave	100
Aviation College	Florida 35 Glades	175
Dredging Company	Louisiana 8 Terrebonne	350
	Total	655